# BRUHAT BANGALORE MAHANAGARA PALIKE

BBMP/2024-25/OW/WORK_INDENT3940

## APPROVED SCHEDULE - B

**No.EE/BTP/BBMP/KPPP/07/2024-25, Date: 09-09-2024**

**Name of Work: Drilling of Borewell and Erection of Pupmset, Electrification to Borewells at Kattigenahalli, Palanahalli, Thirumenahalli and surrounding area in ward no. 05 Kogilu. (Job Code: 005-24-000011)**

| Sl. No. | Approved Qty. | Description | Unit | Approved Tender Rates of SADASHIVAMURTHY NARAYANARAO | |
|---|---|---|---|---|---|
| | | | | In Figures | In Words |
| 1 | 5.00 | Geophysical investigation at site for sinking borewells for supplying drinking water to the habitation either through the Hand Pump MWS or P.W.S.S, by vertical electrical sounding by adopting Venner or Schlumbergers's method, including econnaissance survey of geological formation. Geophysical investigation of existing ground water in the vicinity, its quality, quantity and acceptability of the users, indicating the location of the site, recommended depth of casing pipe required to seal the top unconsolidated formation including an extra depth of 1.0 metre in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation of instruments and accessories to work site, engaging technical personal and labour required etc. NOTE: 1) Additional rate on item 1&2 is allowed for drilling in over burden and fixing Casing pipes beyond 20 M (for fixing Casing pipes only) a) Above 20 M and upto 30 M - 15%, b) Above 30 M - 30% (Measurement of overburden is restricted to the depth of casing pipe fixed excluding initial depth of 20M and projection above ground level). 2) A sum of Rs. 100/- is to be deducted for Dry Borewell towards yield test | Each BW | 5607.32 | Rupees Five Thousand Six Hundred Seven and Thirty Two Paise Only |
| 2 | 250.00 | Sinking of Borewell of 165mm dia clear using super fast hydraulic rig of capacity 300 PSIG & above 1100 CMF & above in all strata including over burdern upto 20 m. Fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicle, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimumworking of compressor for one hour (Excluding cost of casing pipes,collars, cap etc., complete) 0-50mtrs | Mtr | 392.34 | Rupees Three Hundred Ninety Two and Thirty Four Paise Only |
| 3 | 250.00 | 50-100mtrs | Mtr | 492.02 | Rupees Four Hundred Ninety Two and Two Paise Only |
| 4 | 250.00 | 100-150mtrs | Mtr | 522.77 | Rupees Five Hundred Twenty Two and Seventy Seven Paise Only |
| 5 | 250.00 | 150-200mtrs | Mtr | 606.54 | Rupees Six Hundred Six and Fifty Four Paise Only |
| 6 | 250.00 | 200-250mtrs | Mtr | 711.52 | Rupees Seven Hundred Eleven and Fifty Two Paise Only |
| 7 | 250.00 | 250-300mtrs | Mtr | 784.68 | Rupees Seven Hundred Eighty Four and Sixty Eight Paise Only |
| 8 | 250.00 | 300-350mtrs | Mtr | 920.41 | Rupees Nine Hundred Twenty and Forty One Paise Only |
| 9 | 250.00 | 350-400mtrs | Mtr | 993.58 | Rupees Nine Hundred Ninety Three and Fifty Eight Paise Only |

Signature of the Contractor



Executive Engineer

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| | | | | In Figures | In Words |
| 10 | 300.00 | Supply of ISI mark 175mm nominal bore,plain and steel casing pipe grade of steel Fe 410 of wall thickness conforming to IS 4270-2001 and latest ammendments, electrical resistance welded steel tubes, material and conforming to IS 1387-1993 and manufactured by basic open hearth electric or basic oxygen process in random length of 5-7m both ends.threaded conforming to IS 554-1985 one end fixed with socket conforming to IS 4270-2001 and the other end with screwed pipes all shall be responsibaly free from defects. The tubes shall be responsible straight end should be with ISI marking weighing 25.10kg/m. prices include Collar-Medium duty. | Mtr | 2049.72 | Rupees Two Thousand Forty Nine and Seventy Two Paise Only |
| 11 | 5.00 | Providing and laying at site of work MS casing caps as per IS 1239 (partII) 1982 with all latest amendments if any for any dia. The thickness of plate used for covering one end shall be 3mm (minimum). The dimensions of caps and colars shall be strictly as per IS 1239 (Part-II) 1982 with all amendments including cost of material and labour charges for fixing, if any etc. complete with all lead and lifts and as directed by the Engineer in charge | Each | 173.90 | Rupees One Hundred Seventy Three and Ninety Paise Only |
| 12 | 117000.00 | Fabricating supplying and mounting MS box of 16 SWG suitable for floor /wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clA with necessary cable entry pipe with gland and box should be finished with 7tanks treatment with powder coated paint and finally finished with approved colour etc., complete. | Sq CM | 0.44 | and Forty Four Paise Only |
| 13 | 5.00 | Supply and delivery at site wrought middle steel (galvanized) 50 mm dia GI Union confirming to IS 1239-II, 1991 with latest amendments if any | Each | 283.12 | Rupees Two Hundred Eighty Three and Twelve Paise Only |
| 14 | 15.00 | Supply and delivery at site wrought middle steel (galvanized) 50 mm dia GI hexagonal nipple confirming to IS 1239-II, 1991 with latest amendments if any. | Each | 225.86 | Rupees Two Hundred Twenty Five and Eighty Six Paise Only |
| 15 | 15.00 | Supply and delivery at site wrought middle steel (galvanized) 50 mm dia GI elbow confirming to IS 1239-II, 1991 with latest amendments if any. | Each | 283.12 | Rupees Two Hundred Eighty Three and Twelve Paise Only |
| 16 | 5.00 | Labour charges for Erection, Electrification and commissioning of Pump sets, including aligning and balancing of all items including supply and erection of two pair of supporting clamps, bore well caps, cable clips and water tight gland cable protectors, bolts, nuts, valve and gauges,tools and equipments etc., involved in the job as per specifications, with necessary tests as per specifications, with testing of as per instructions of engineer incharge of work. | Job | 6892.50 | Rupees Six Thousand Eight Hundred Ninety Two and Fifty Paise Only |
| 17 | 5.00 | Labour charges for erection of outdoor type panel board and meter board units with all necessary materials and labour, tools and equipments including providing cement concrete foundation bed etc., complete as per specification, with testing of as per instructions of engineer incharge of work. | Job | 1537.56 | Rupees One Thousand Five Hundred Thirty Seven and Fifty Six Paise Only |
| 18 | 0.08 | 1.1 kV, XLPE or Heat resistant PVC insulated, PVC exutruted Inner Seath Armoured LTUG Cable as per IS-1554 (Part 1) or IS-7098 Part-1, Armouring strip thickness and resistivity as per IS-3975 16 Sqmm, 4 Core, (11 GI Strips - 4 x 0.8 mm) | Km | 146026.34 | Rupees One Hundred Forty Six Thousand Twenty Six and Thirty Four Paise Only |

Signature of the Contractor



Executive Engineer

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| | | | | In Figures | In Words |
| 19 | 5.00 | Earthing: Supplying and fixing and wiring earth electrode for grounding circuits IC cutouts and other equipments on the meter board in the pit. The pits should be filled up with equal proportion of salt and charcoal 150mm around the pipe to complete depth. The connection from the pipe to the conduits etc. is to established through GI wire of sizes as per clause 7.3.3 of IS 732 using 12mm bolts, nuts, washers and check nuts, the pipe shall have 16 through holes of 12mm dia | Job | 3976.44 | Rupees Three Thousand Nine Hundred Seventy Six and Forty Four Paise Only |
| 20 | 5.00 | Providing,Supplying and fixing suitable for 1.1 KV class UG cable filled with necessary bitumen/insulating compound complete with terminals, clamps,bolts,nuts and washers etc. with necessary materials and labour tools and equipments as per instructions of engineer incharge of work. 3.5x6 Sqm | Each | 397.64 | Rupees Three Hundred Ninety Seven and Sixty Four Paise Only |
| 21 | 5.00 | Supply and fixing polished wood board made of not less than 15mm thick plank on both sides of not more than 2 pieces and fixing the same to the wall using tapered inverted wooden plugs screws 20" x 20" x 2.5" | Each | 335.75 | Rupees Three Hundred Thirty Five and Seventy Five Paise Only |
| 22 | 5.00 | Providing,supplying to work site, Submersible Pump Set of 150mm dia suitable for bore well and confirming to IS 8034-2000;3Phase, SS Bowl & Impeller with Low volt Motor as per specifications,as per necessary ammendments and instructions of engineer incharge of work. 17.50 HP - 120 LPM @ 308 m = 26 STG Outlet Dia - 2.00" | Each | 82670.80 | Rupees Eighty Two Thousand Six Hundred Seventy and Eighty Paise Only |
| 23 | 290.00 | Supply and delivery of galvanized mild steel tubes of 6mtr standard length heavy duty (C Class) as per IS 1239 (Part-I) 1990 with latest amendments with ISI Mark (one end fitted with Heavy Duty collar and other end fitted with protective cover) 50 MM Dia | Each | 3234.17 | Rupees Three Thousand Two Hundred Thirty Four and Seventeen Paise Only |
| 24 | 3750.00 | Supplying and drawing 3 core flat PVC sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper with low resistance conductor confirming to13:8130-1984 and virgin grade PVC insulation and powder coating extruded PVC sheathed suitable for working voltage upto 1100 V as per IS-694:2010. 3C x 6 mm2 | Mtr | 252.23 | Rupees Two Hundred Fifty Two and Twenty Three Paise Only |
| 25 | 5.00 | Supplying fully automatic star-delta starter unit push button type with suitable wires, 3 contactors, one adjustable thermal timer mounted on a common base plate held in steel enclosure for use on 400/440 V 3 phase and wired after fixing to the existing wooden board for motor Above 12.5 HP upto 25 HP | Each | 9022.54 | Rupees Nine Thousand Twenty Two and Fifty Four Paise Only |
| 26 | 5.00 | Supply and delivery at site of brand new best make gate valve as per IS 778/1984 with ISI Mark and as per its latest amendments Size 50 mm | Each | 1789.93 | Rupees One Thousand Seven Hundred Eighty Nine and Ninety Three Paise Only |
| 27 | 5.00 | Supply and delivery at site of brand new best make non-return valve as per IS 778/1984 with ISI Mark and as per its latest amendments Size 50 mm | Each | 1325.48 | Rupees One Thousand Three Hundred Twenty Five and Forty Eight Paise Only |
| 28 | 5.00 | Supply and delivery at site delivery of best indigenous brand new MCB (Miniature Circuit Breakers) of required capacity as per IS 88228/1978 and its latest amendments and with ISI Mark of 6/10/16/20/25/40 Amps with scalable box. | Per 3 Poles | 1219.44 | Rupees One Thousand Two Hundred Nineteen and Forty Four Paise Only |

Signature of the Contractor



Executive Engineer
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| 29 | 15.00 | Supplying and fixing of Porcelain fuse channel with cut out on existing wooden / panel using necessary nuts, bolts and washer etc., complete.... | No. | 412.83 | Rupees Four Hundred Twelve and Eighty Three Paise Only |
| 30 | 792.00 | Earth work excavation for pipeline trenches in all kinds of soils by mechanical means as per drawing and technical specifications, including setting out, construction of shoring, strutting, barricading, caution lights, bracing, using sight rails & bonding rods at every 100 mm wherever necessary as directed, removal of stumps and other deleterious matter, dressing of sides and levelling the bottom of trench to the extent required , utilising the available excavated earth locally for the work etc., and all other appurtenances complete in the following strata. All kinds of soils. Depth upto 1.50 m | Cum | 277.82 | Rupees Two Hundred Seventy Seven and Eighty Two Paise Only |
| 31 | 2200.00 | Providing and installing at site of work P.V.C. pipes including cost of pipes and specials and labour, including lowering into trenches, laying true to line, level and perfect linking at joints leak proof including jointing of approved type with all labour charges and all lift charges, handling charges including encasing the pipe around to a depth not less than 15 cms with gravel or selected earth available from the excavation etc. complete.75mm(weight of pipe -0.917 kg) | Mtr | 233.28 | Rupees Two Hundred Thirty Three and Twenty Eight Paise Only |
| 32 | 792.00 | Refilling available earth around trenches/pipelines, cables in layers not exceeding 20 cms in depth, compacting each deposited layer by ramming after watering with a lead upto 50 m , and lift upto 1.5 m. Including cost of all labour complete as per specifications. | Cum | 169.66 | Rupees One Hundred Sixty Nine and Sixty Six Paise Only |

**Signature of the Contractor**

**Executive Engineer**
**Byarayanapura Division**
**Bruhat Bengaluru Mahanagara Palike**